CLAIMS

We claim:

1		1. A local plane place for a high resolution camera with light-sensitive
2	semiconducto	or sensors comprising:
3		housings for the light sensitive semiconductor sensors, said housings having a
4	form; and	
5		adjustment elements arranged on the focal plane plate at arrangement locations
6 ,	of said housin	gs, said adjustment elements having a form complementary to the form of said
7,4	housings.	
7.4.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	2.	The focal plane plate in accordance with claim 1, wherein said adjustment
	elements com	prise one from a group consisting of parallelepipedal islands and inserts.
1 0	3.	The focal plane plate in accordance with claim 2, further comprising cutouts for
2 0	releasably rec	eiving said inserts.
1	4.	The focal plane plate in accordance with claim 3, wherein said housings are
2	permanently c	connected to the complementarily adapted adjustment elements.
1	5.	The focal plane plate in accordance with claim 3, wherein said housings and
2	associated inse	erts are integrally formed.
1	6.	The focal plane plate in accordance with claim 3, further comprising adjustment

webs arranged in said cutouts in the focal plane plate.

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- 1 7. The focal plane plate in accordance with claim 3, further comprising focal plane 2 plate holes adapted to receive heat pipes for passing coolant therethrough.
- The focal plane plate in accordance with claim 7, wherein said focal plne plate 1 8. holes are arranged to pass through one of said islands and said cutouts, said inserts further 2 3 comprising insert holes, wherein said focal plate holes form a duct with said insert holes.
- 9. The focal plane plate in accordance with claim 1, wherein the focal plane plate 2.0 and said adjustment elements comprise a expansion compatible material with respect to said ĻŲ housings.
 - 10. The focal plane plate in accordance with claim 9, wherein said adjustment elements comprise a first material and the focal plane plate comprises a second material, said first material having a greater thermal conductivity than said second material.
 - The focal plane plate in accordance with claim 9, wherein said housings, said 11. adjustment elements and the focal plane plate are composed of the same material.
 - 12. The focal plane plate in accordance with claim 9, wherein said housings, said adjustment elements and the focal plane plate are composed of aluminum nitride ceramic.
- 1 13. The focal plane plate in accordance with claim 1, wherein the light-sensitive semiconductor sensors comprise contact pins and the focal plane plate is plated in a region of 2 3 said contact pins.

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- 1 The focal plane plate in accordance with claim 13, wherein said inserts further 14. 2 comprise side walls having conductor tracks electrically connectable to said contact pins, and 3 separate contact pins for extending a length of said contact pins.
- 1 15. The focal plane plate in accordance with claim 14, wherein said conductor 2 tracks comprise silver-palladium paste printed onto said inserts.
- 1 16. The focal plane plate in accordance with claim 1, further comprising a 2 □ temperature sensor arranged on said adjustment elements.
- 17. The focal plane plate in accordance with claim 15, wherein said inserts further 2 comprise a top side having chamfered edges.
 - The focal plane plate in accordance with claim 14, wherein said cutouts further 18. comprise additional cutouts in a region of said contact pins, said additional cutouts comprising plated-through holes.
- 1 19. The focal plane plate in accordance with claim 1, wherein the light-sensitive 2 semiconductor sensors comprise electronic circuitry arranged on an underside of the focal 3 plane plate.
- 1 20. A method for adjusting housed light-sensitive semiconductor sensors on a focal 2 plane plate comprising the steps of:

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3	measuring a position of a surface of the light-sensitive semiconductor sensors
4	with respect to an underside of the housings;
5	forming a surface of adjustment elements such that the surface is
6	complementarily shaped with respect to housing forms of the light-sensitive semiconductor
7	sensors; and
8	connecting the light-sensitive semiconductor sensors to the formed adjustment
9	elements, wherein pixels of the light-sensitive semiconductor sensors lie substantially in one
10_	plane when fitted onto said adjustment elements.
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